

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	S29 (inner with wall with shoulder)	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:40
		S27 and (inner with outer with wall	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/30 18:24
		"128".d12.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/30 18:25
		128/d12.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/30 18:25
L2	0	128/d12.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/30 18:25
L3	0	128/dig12.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/30 18:27
L4	155	604/155.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/30 18:25
L5	584	128/DIG.12.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/30 18:28
S1	21	(kevin cowan).in.	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 13:30
S2	1	"20010047153"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:26
S3	1	S2 and plunger	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:22
S4	0	S3 and (inwardly with flange)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:23
S5	1	S3 and flange	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:23
S6	0	S5 and (retaining adj shoulder)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:23
S7	0	S5 and shoulde	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:23
S8	1	S5 and shoulder	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:23

EAST Search History

S9	1	S8 and drive	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:29
S10	0	"10722370"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 13:29
S11	1	"20050113754"	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 13:30
S12	1	S11 and plunger	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 13:30
S13	1	S12 and (inwardly with flange)	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 14:15
S14	726	604/187.ccls.	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 14:15
S15	176784	inward\$3 flange	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 14:15
S16	72	S14 and S15	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 14:15
S17	6567	S15 same plunger	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 14:15
S18	31	S14 and S17	US-PGPUB; USPAT; USOCR	WITH	ON	2006/03/21 14:15
S19	3134	"2" and (retaining adj shoulder)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:26
S20	1	"20010047153"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:26
S21	0	S20 and (retaining adj shoulder)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:27
S22	1	"20050113754" and (retaining adj shoulder)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:28
S23	1	"20050113754" and (inner surface)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:30

EAST Search History

S24	1	"20050113754" and (inner adj surface)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:31
S25	1	"20050113754" and (outer adj surface)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:34
S26	1	"20010047153"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 15:34
S27	3078	plunger wall inner outer flange shoulder	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:39
S28	1037	S27 and (inner with outer with wall)	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:39
S29	392	S28 and (inner with wall with flange)	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:40
S30	158	S29 and (inner with wall with shoulder)	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:42
S31	86	S30 and (plunger with inner with outer)	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:42
S32	69	S30 and (plunger with inner with outer with wall)	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:46
S33	726	604/187.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:47
S34	452	S33 and plunger	US-PGPUB; USPAT; USOCR	SAME	ON	2006/03/21 15:47

EAST Search History

S35	164	("1988480" "2702547" "3051173" "3604417" "3623474" "3645262" "3701345" "3720211" "3738539" "3752145" "3796218" "3812843" "3964139" "3987940" "4006736" "4030498" "4080967" "4155490" "4226236" "4252118" "4278086" "4345595" "4351332" "4356822" "4424720" "4452251" "4453934" "4464265" "4465472" "4465473" "4475666" "4476381" "4493646" "4529401" "4568335" "4573978" "4585439" "4604847" "4612010" "4617016" "4636198" "4648872" "4650475" "4652260" "4664128" "4676776" "4677980" "4681566" "4685903" "4695271" "4705509" "4722734" "4741732" "4741736" "4749109" "4755172" "4767406" "4773900" "4838857" "4840616" "4842581" "4853521" "4854324" "4869720" "4878896" "4901873" "4911695" "4929238" "4936833" "4943279" "4966601" "4969874" "4973309" "4978335" "4988337" "5007904" "5033650" "5034004" "5047014" "5078683" "5084017" "5085638" "5085643" "5093079" "5104374" "5106379" "5135507" "5147311" "5153827" "5184740" "5188250" "5226897" "5236416" "5242408" "5254086" "5254101" "5256157" "5269762" "5275582" "5279569" "5282792" "5300031" "5317506" "5324273" "5338309" "5342298" "5354287" "5356375" "5356393" "5383858" "5425716" "5429602" "5429611" "5431627" "5433712" "5439452" "5445622" "5451211" "5456670" "5520653" "5531698" "5533981" "5535746" "5545140" "5573515").PN. OR ("5658261" "5662612" "5681285" "5681286" "5683367" "5738659" "5741227" "5741232" "5779675" "5795333" "5808203" "5827219" "5836922" "5865805" "5873861" "5882343" "5899885" "5908124" "5913844" "5919167" "5928630" "5944604" "5947070"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:12
-----	-----	---	------------------------------	----	----	------------------

BEST AVAILABLE COPY

EAST Search History

S36	2317	disengag\$4 with plunger with rotat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:14
S37	65	S36 and injector	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:44
S38	280	604/228.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:46
S39	202	604/154.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:47
S40	1127	604/218.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:47
S41	107	604/223.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:50
S42	4	"6017330" and drive	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:50
S43	1	"6017330".pn. and drive	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:52
S44	1	"6017330".pn. and piston	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:56
S45	1	"20050113754"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:54
S46	1	S45 and (retaining adj member)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:54
S47	1	"6017330".pn. and housing	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/21 17:56